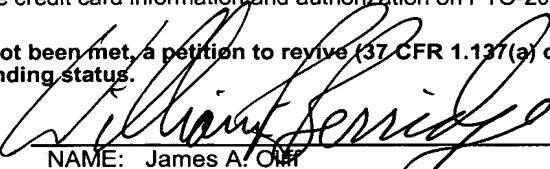
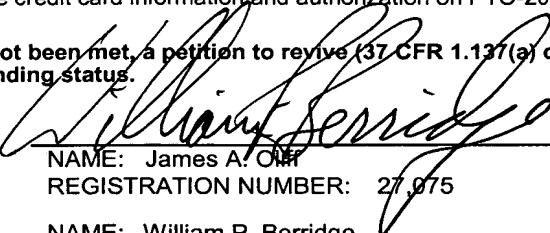
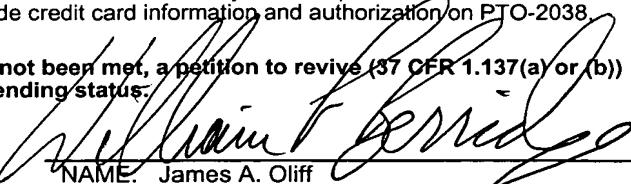


FORM PTO-1390 (REV. 01-2003)		US DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 129334
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) New U.S. Patent Application <b>10/591797</b>	
INTERNATIONAL APPLICATION NO. PCT/JP2005/008464	INTERNATIONAL FILING DATE April 27, 2005	PRIORITY DATE CLAIMED April 27, 2004	
TITLE OF INVENTION ZIRCONIA CORE PARTICLES COATED WITH CERIA PARTICLES, PRODUCTION PROCESS THEREOF AND EXHAUST GAS PURIFYING CATALYST			
APPLICANT FOR DO/EO/US Masahide MIURA; Oji KUNO			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> <li>c. <input checked="" type="checkbox"/> The International Application was filed in English.</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventors (35 U.S.C. 371(c)(4)).</li> <li>10. <input checked="" type="checkbox"/> An English language copy of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>			
Items 11 to 20 below concern document(s) or information included:			
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: a copy of the International Search Report is attached to the Information Disclosure Statement.</li> </ol>			

U.S. APPLICATION NO. (if known - see 37 C.F.R. 1.10) New U.S. Patent Application <b>10/591797</b>		INTERNATIONAL APPLICATION NO. PCT/JP2005/008464	ATTORNEY'S DOCKET NUMBER 129334
21. <input checked="" type="checkbox"/> The following fees are submitted:		<b>CALCULATIONS PTO USE ONLY</b>	
<b>BASIC NATIONAL FEE (37 CFR 1.492(a)):</b> ..... \$ 300.00		\$300.00	
<b>SEARCH FEE (37 CFR 1.492(b)(1)-(3)):</b>		\$400.00	
International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national phase ..... \$ 0.00			
International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA ..... \$ 100.00			
International search report provided to USPTO no later than the time at which the search fee is paid ..... \$ 400.00			
All situations not provided for above ..... \$ 500.00			
<b>EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):</b>		\$200.00	
International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national phase ..... \$ 0.00			
All situations not provided for above ..... \$ 200.00			
Surcharge of <b>\$130.00</b> for furnishing the search fee, the examination fee or the oath or declaration after the date of commencement of the national phase (37 CFR 1.492(h)).		\$	
APPLICATION SIZE FEE Total pages 24 - 100 =	0 ÷ 50	= 10	x 250 = \$
rounded up to next integer			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
TOTAL CLAIMS	13 - 20	= 0	x 50.00 = \$
INDEPENDENT CLAIMS	1 - 3	= 0	x 200.00 = \$
MULTIPLE DEPENDENT CLAIM(S)(if applicable)		+ 360.00 = \$	
<b>TOTAL OF ABOVE CALCULATIONS</b> =			\$900.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by $\frac{1}{2}$ .			\$
<b>SUBTOTAL</b> =			\$900.00
Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).			\$
<b>TOTAL NATIONAL FEE</b> =			\$900.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +			\$
<b>TOTAL FEES ENCLOSED</b> =			\$900.00
			Amount to be refunded: \$
			charged: \$
a. <input checked="" type="checkbox"/> Check No. <u>183845</u> in the amount of <b>\$900.00</b> to cover the above fees is enclosed.			
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.			
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>15-0461</u> . A duplicate copy of this sheet is enclosed.			
d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.			
SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944			
Date <u>September 6, 2006</u>		 NAME: James A. Oliff REGISTRATION NUMBER: 27,075	
		 NAME: William P. Berridge REGISTRATION NUMBER: 30,024	

U.S. APPLICATION NO. (If known, see 37 CFR 1.7) New U.S. Patent Application <b>10/7891797</b>		INTERNATIONAL APPLICATION NO. PCT/JP2005/008464	ATTORNEY'S DOCKET NUMBER 129334
21. <input checked="" type="checkbox"/> The following fees are submitted:		<b>CALCULATIONS</b> PTO USE ONLY	
<b>BASIC NATIONAL FEE (37 CFR 1.492(a)):</b> ..... \$ 300.00		\$300.00	
<b>SEARCH FEE (37 CFR 1.492(b)(1)-(3)):</b>		\$400.00	
International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national phase ..... \$ 0.00			
International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA ..... \$ 100.00			
International search report provided to USPTO no later than the time at which the search fee is paid ..... \$ 400.00			
All situations not provided for above ..... \$ 500.00			
<b>EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):</b>		\$200.00	
International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national phase ..... \$ 0.00			
All situations not provided for above ..... \$ 200.00			
Surcharge of <b>\$130.00</b> for furnishing the search fee, the examination fee or the oath or declaration after the date of commencement of the national phase (37 CFR 1.492(h)).		\$	
APPLICATION SIZE FEE	0 ÷ 50	= 10	x 250 = \$
†round up to next integer			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE \$
TOTAL CLAIMS	13 - 20	= 0	x 50.00 = \$
INDEPENDENT CLAIMS	1 - 3	= 0	x 200.00 = \$
MULTIPLE DEPENDENT CLAIM(S)(if applicable)		+ 360.00 = \$	
<b>TOTAL OF ABOVE CALCULATIONS</b> =			\$900.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by $\frac{1}{2}$ .			\$
<b>SUBTOTAL</b> =			\$900.00
Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).			\$
<b>TOTAL NATIONAL FEE</b> =			\$900.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +			\$
<b>TOTAL FEES ENCLOSED</b> =			\$900.00
			Amount to be refunded: \$
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a. <input checked="" type="checkbox"/> Check No. <u>183845</u> in the amount of <b>\$900.00</b> to cover the above fees is enclosed.			
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.			
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>15-0461</u> . A duplicate copy of this sheet is enclosed.			
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SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944			
Date <u>September 6, 2006</u>		 NAME: James A. Oliff REGISTRATION NUMBER: 27,075 NAME: William P. Berridge REGISTRATION NUMBER: 30,024	

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Masahide MIURA et al.

Attn: PCT Branch

Application No. New U.S. Patent Application

Filed: September 6, 2006

Docket No.: 129334

For: ZIRCONIA CORE PARTICLES COATED WITH CERIA PARTICLES,  
PRODUCTION PROCESS THEREOF AND EXHAUST GAS PURIFYING  
CATALYST

TRANSMITTAL OF THE ANNEXES TO THE  
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached hereto are the annexes to the International Preliminary Report on Patentability (Form PCT/IPEA/409). The attached material replaces the claims in their entirety from page 21 to page 22.

Respectfully submitted,

James A. Oliff  
Registration No. 27,075

William P. Berridge  
Registration No. 30,024

JAO:WPB/nxy

Date: September 6, 2006

OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, Virginia 22320  
Telephone: (703) 836-6400

<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
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